Use Attainability Analysis

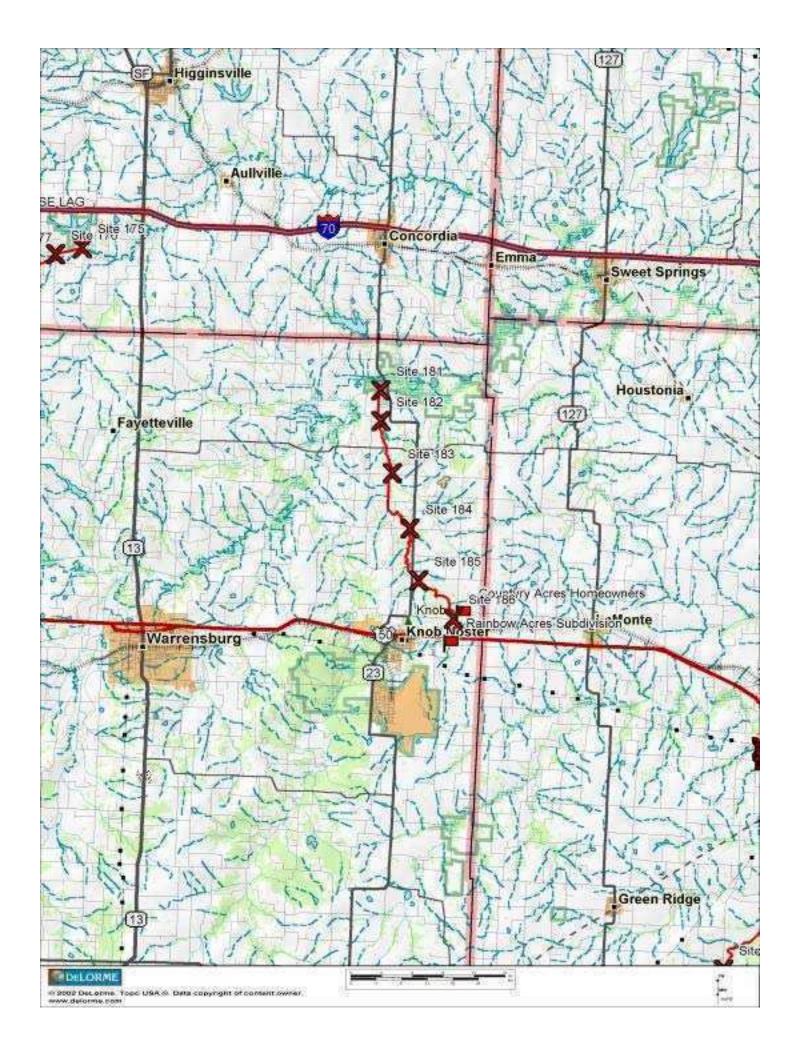
for

WBID 0937 Walnut Creek

Submitted by Tetra Tech, Inc.

to Missouri Department of Natural Resources Water Protection Program

Date received: May 23, 2005



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Data Sheet A - Water Body Identification

2005 MAY 23 PM 2: 59

	WATER PROTECTION PROGRAM
Water Body Name: (from USGS 7.5' quad) WALNUT CABEK (181-181)	AARBONN NO FEE
(man opopy and durant Marsant Chest (191-195)	·
8-digit HUC: 10300 0 4	
Missouri WBID#: 0937	
County: JOHNSON COUNTY	
Upstream Legal Description:	
Downstream Legal Description:	-
Upstream Coordinates:	Modernia
	C700
Downstream Coordinates:	
(UGS 84, ddd. ddddd) N39, 90335 W093, 56620 NA	or mouth
Discharger Facility Name(s): COUNTRY ACRES HOMEOWNERS	RAINDON ACRES SUBPRIVISION
Discharger Permit Number(s):	
Number of Sites Evaluated: 6	
Name of Surveyor and Telephone Number: CHAD BARBOUR, 410	-356-8993
Organization: TETHA TECH INC.	
Position: ASSOCIATE SCIENTIST	
he undersigned, hereby affirm to the best of my knowledge	, that all information reported on this UAA
asheet is true and accurate.	<u>-</u>

Signed: Date: 04/21/05	
------------------------	--

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Data Sheet B - Site Characterization

2005 HAY 23 PM 2: 59

(A separate data sheet must be completed for each site)

WATER PROTECTION PROGRAM

	Missouri WBID #:	8 I		Site Location D	•	
₹	Site GPS Coordinates: N		3.56620	Rt 23 Bridge in Ralph & Mortha Perry Memorial		
	Date & Time: 4-21-09	12:48 PM		Facility Name:	Country Acres Homeowners	Pointon tree Coled
[Personnel: CB E	LY		Permit Number:	- Septembrusz	KAINIKIA MURD SIVOO
{	Current Weather Condition	ons: Cloudy 7	3°	Weather Condit	ions for Past 7 days:	<u></u> -
	Photo Ids: Upstream: †	764 A 040 DOW	nstream: (*	16-3-A 031 Othe	r:	·
T In	es Observed*:	con		cún	<u>. </u>	
	□ Swimming	☐ Skin diving		CUBA diving	T fire Live	
Ì	☐ Wind surfing		-	×	☐ Tubing	☐ Water skiing
		☐ Kayaking	 	pating	□ Wading	Rafting
[☐ Hunting	☐ Trapping	□ Fi:	china	None of the above	1 🗖 🙃
		er of individuals rec	reating, freq	uency of use, photo	Site located with	
Suiten	250m from 4	er of individuals rec	reating, frequency	i Pull off.	documentation of evidence	of recreational uses, ex
Suiten	250m from 1	er of individuals rec	reating, frequence of in	i Pull off.	documentation of evidence Site located with	of recreational uses, ex
Suiten	250m from 4	er of individuals rec the 5 He the	reating, frequence of in	pull off.	Site located with	of recreational uses, et
Suiten	250 m from 1 rounding Condition ns of interest.) □ City/county parks	er of individuals rec	reating, frequence of in MDC of	pull off,	Site located with	of recreational uses, each Carnbury (velocity)
iten	rrounding Conditions of interest.) City/county parks Boating accesses	ns*: (Mark all that p Playgrounds State parks	oromote or in	pull off,	Site located with	of recreational uses, et Carnotte (Ation Campgrounds
iten	age of interest.) □ City/county parks □ Boating accesses □ No trespass sign	ns*: (Mark all that p Playgrounds State parks	oromote or in MDC or Nationa	pull off,	Site located with	of recreational uses, et Cary St. Valian Campgrounds Stairs/walkway
iten	rrounding Conditions of interest.) City/county parks Boating accesses No trespass sign	er of individuals rec **: (Mark all that p Playgrounds State parks Fence	oromote or in MDC of Nationa Steep sl	pull off. pull off. pull off.	Site located with	of recreational uses, et Carnotte velian ce or unusual

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

^{*}Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

The stream was greater than 3m deep we were unable to get an average depth.

☐ Riffle Width	(ft):	Length (ft):	Avg. Depth	(ft):	Max. Depth (ft):
Run Width	(ft):	Length (ft):	Avg. Depth		Max. Depth (ft):
N Pool Width	18,5,	w Length (ft): 2	Avg. Depth	(it): to est, de	orbid Max. Depth (N): > 3m
Flow Presen			3 n Estimated (fi		7.35 = 0.08 0/5]
Dawrent-see- 17	TNL 1 F	n:	42s 3	5s 35s	
Downstream Vi		Length (ft):	Avg. Depth	(ft):	Max. Depth (ft):
Run Width		Length (ff): 2		EV CHARGE LT.	- · · ·
Pool Width		Length (ft):	Avg. Depth	These app	Max. Depth (ft):
N Flow Present	? \ Yes		Estimated (f	-	
				-	get to the center of the s
	1*: (note amour	Gravel	% Sand 50		% Mud/Clay 6 Bec
quatic Vegetation	1*: (note amour	nt of vegetation or			O % Mud/Clay O % Bec
quatic Vegetation	1*: (note amour	nt of vegetation or			O % Mud/Clay
Quatic Vegetation None Visabl	1*: (note amoun	nt of vegetation or	algal growth at the asse	essment site)	
Quatic Vegetation None Visable Vater Characteria Odor:	n*: (note amour e etics*: (Mark a □ Sewage	nt of vegetation or It that apply.) Musky	algal growth at the asse	essment site)	□ Other:
None Visable Vater Characteric Odor: Color:	itics*: (Mark a	nt of vegetation or Il that apply.) Musky Green	algal growth at the asse	essment site) None Milky	☐ Other:
Autic Vegetation None Visable Vater Characteria Odor: Color: Bottom Deposit: Surface Deposit: omments: Please This information is no comprehensive understaction on the recreation	itics*: (Mark all Sewage Clear Sludge Oil attach addition to be used sole anding of water on use analysis by hereby affire.	Il that apply.) Musky Green Solids Scum Onal comments Solids Conditions Consecut may point to comment to the best of	Chemical Gray Fine sediments Foam (including informate a recreational use designated and the conditions that need furth of my knowledge, to the conditions that need furth of my knowledge, the conditions that need furth of my knowledge is the conditions that need furth of my knowledge is the conditions that need furth of my knowledge is the conditions that need furth of my knowledge is the conditions that need furth of my knowledge is the conditions that need furth of my knowledge is the conditions that need furth of my knowledge is the conditions that need furt	None None None None nation from intenation but rather is not intendener analysis or the	Other: Other: Other: Other: orviews) to this form. r is to provide a more ad to directly influence a hat effect another use. mation reported on this UA





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Data Sheet B - Site Characterization

2005 HAY 23 PH 2: 59

(A separate data sheet must be completed for each site)

WATER PROTECTION PROGRAM Site Location Description: Missouri WBID #: 182 Unnamed Road off R+23 overpasc Site GPS Coordinates: N 50, 886 80 W093 57143 ACC 16.5A Facility Name: country Acres Homeowners / Rainbow Acres Subdivision Date & Time: 1213 PM Personnel: Permit Number: Current Weather Conditions: Partly Weather Conditions for Past 7 days: Photo Ids: Upstream: 1-16-1 Downstream: 1709 Other: Uses Observed*: □ Swimming Skin diving ☐ SCUBA diving ☐ Tubing ☐ Water skiing ■ Wind surfing ☐ Kayaking ☐ Boating □ Wading. ☐ Rafting ☐ Hunting ☐ Trapping ☐ Fishing ☐ Other: None of the above Describe: (include number of individuals recreating, frequency of use, photo-decumentation of evidence of recreational uses, etc.) Extra Data: There is a pool on the down stream portion with a max depth of Steve Long: There is no activity in this stream. Steve Long 205 w Broadway Higgensville Mo Surrounding Conditions*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.) ☐ City/county parks □ Playgrounds ☐ MDC conservation lands Urban areas ☐ Campgrounds □ Boating accesses ☐ State parks □ National forests ☐ Nature trails ☐ Stairs/walkway ☐ No trespass sign ☐ Fence Steep slopes Other: Evidence of Human Use*: ÌS⊾Roads □ Foot paths/prints □ Dock/platform ☐ Livestock Watering □ RV / ATV Tracks □ Rope swings □ Camping Sites ☐ NPDES Discharge ☐ Fire pit/ring ☐ Fishing Tackle ☐ Other:

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

^{*}Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

Page Two - Data Sheet B for WBID # 182:

Stream Mor Upstream			nensions: in m	etars': 0.18,0.4	14.0.61.	0,30.012	
☐ Riffle	Width (ft		Length (ft):	Avg. Depth	4 1-	Max. Depth (ft):	·•
□ Run	Width (ft):	Length (ft):	Avg. Depth	(ft):	Max. Depth (ft):	
□ Pool	Width \t	£ 4.6 m	Length (N): 2	Avg. Depth	(A) 0.33	Max. Depth (K):	0.61 m
1⊠ Flow	Present?	B-Yes	□ No	3 n Estimated (=0.08 m/s	2.Q1 N
Downstre	am View	Physical	Dimensions: , ,	405, 6 12 meteurs: 0.2	11s , 39s	0,40,0,38,	0.18
☐ Riffle	Width (ft):	Length (ft):	Avg. Depth		Max. Depth (ft):	
🔍 Run	Width (ft):	Length (ft):	Avg. Depth	(ft):	Max. Depth (ft):	0.40 PY 31-45
☐ Pool	Width to	5.4m	Length (R):	Non Avg. Depth	NO: 0.32	Max. Depth (t):	0.40m
Flow	Present?	☑ Yes	□ No	5 _M Estimated (6.335m = 0	08 = 0.98415
() 9	6 Cobble	20 %	dd up to 100%.) Gravel	(es, (es) % Sand (나) r algal growth at the ass	% Silt 4	% Mud/Clay (% Bedrock
Algae Water Char							· - · · · · · · · · · · · · · · · · · ·
Odor:		☐ Sewage	☐ Musky	☐ Chemical	None	☐ Other:	
Color:		□ Clear	☐ Green	☐ Gray	N Milky	Other:	
Bottom De	<u> </u>	Sludge	☐ Solids	☐ Fine sediments	□ None	Other:	
Surface De	posit: }	SLOil	☐ Scum	☐ Foam	□ None	☐ Other:	
*This informati	on is not to understand	be used soi	ely for removal of conditions. Const	a recreational use desig	nation but rather on is not intended	l to directly influence a	
I, the undersdatasheet is Signed:	signed, h true and	ereby affi	rm to the best		that all inforr	nation reported on	this UAA
Organization	: <u> </u>	ла Тосн		Positio	п; <u>Авкда</u> т	W SCHENTIST	_
	.1. **		Edy	f 4-21-2	2005		
Septen	nber 29, 20	K)4	`	•		Pag	ge 19





Page Two - Data Sheet B for WBID # 183 :

			eters: 0.02, 0.	, - ,		 ,
	h (ft): - ይዣ	Length (ft):	Avg. Depti		Max. Depth (ft):	
	1 (10: 7.6 m	Length (ft): 6	Avg. Depth	160 0.12 m	Max. Depth (ft): 6. /	8
Pool Widt	n (ft):	Length (ft):	Avg. Depth	ı (ft):	Max. Depth (ft):	
☐ Flow Prese	nt? 🔼 Yes	□ No	3 m Estimated	(ft³/sec): 154 /	3m= 0.20 m/6	
Downstream V	iew Physica!	Dimensions: L.	, 15s <u>, meters: 0.09</u>	14s, 165.	· · · · · · · · · · · · · · · · · · ·	
	n (ft):	Length (ft):	Avg. Depth		0,26 0.08 Max. Depth (ft):	
··	100: 4.4.		Avg. Depti	XX. 4	Max. Depth (N): ()	7/
	h (ft):	Length (ft):	Avg. Depth	>\.Z.++\P 4/\.	Max. Depth (ft):	klom
S Flow Prese	nt? \(\sum_Yes\)				15/3m = 0.11 m/s	···
			aqs	, 275, ales	-10m = 0.11 m/3	· · ·
bstrate*: (These			~ ~ · · · · · · · · · · · · · · · · · ·			
QO % Cobb	le O	% Gravel 60	% Sand 10	% Silt / /	% Mud/Clay (')	% Bedrock
ALGAG THAO						
ater Character	istics*: (Mark	_	Chamical .	N Nove		
ater Character	istics*: (Mark □ Sewage	□ Musky	☐ Chemical	None	☐ Other:	
ater Character Odor: Color:	istics*: (Mark □ Sewage □ Clear	□ Musky □ Green	□ Стау	☐ Milky	☐ Other:	
Odor: Color: Bottom Deposit:	istics*: (Mark ☐ Sewage ☐ Clear ☐ Studge	☐ Musky ☐ Green ☐ Solids	☐ Gray ☐ Fine sediments	□ Milky □ None	☐ Other:	
ater Character Odor: Color:	istics*: (Mark □ Sewage □ Clear	□ Musky □ Green	□ Стау	☐ Milky	☐ Other:	
ater Character Odor: Color: Bottom Deposit: Surface Deposit:	istics*: (Mark Sewage Clear Studge	☐ Musky ☐ Green ☐ Solids ☐ Scum	☐ Gray ☐ Fine sediments ☐ Foam	☐ Milky ☐ None None	☐ Other: ☐ Other: ☐ Other:	
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Data Sheet B - Site Characterization

2005 MAY 23 PM 2: 59

(A separate data sheet must be completed for each site) WATER PROTECTION of

	Missouri WBID #: 18.	3		I	n Description:			
88	Site GPS Coordinates: A	1 <i>5</i> 8,85779 WO	3.563	NE 700H	NE 700th Rd Overpass			
	Date & Time: 4-21-2	0005 1135 AM		Facility Na	ne: Country Acres Homeowners/1	laintau Arus Sthairicia		
1	Personnel: Cb , EL	γ		Permit Nun	ber:	MATERIAL LINES AND MAINTEN		
L	Current Weather Conditi	ons: Partly Claud	u 70°	Weather Co	nditions for Past 7 days:			
Į	Photo Ids: Upstream: p			1740A 036	Other:	· "		
	s Observed*:	C67		CES		· · · · · · · · · · · · · · · · · · ·		
	☐ Swimming	☐ Skin diving		SCUBA diving	T Webber			
	☐ Wind surfing				Tubing	☐ Water skiing		
r		☐ Kayaking		Boating	□ Wading	Rafting		
1	□ Hunting Describe: (include numb Downstream pool there is a pipelin	. w/a max	reating, fi depth	of 0.52 m	None of the above oto-documentation of evidence Tust downstream	Other: e of recreational uses, et of the x site		
Sur	Describe: (include numb Downstream pool there is a pipelin rounding Condition	er of individuals rec Warnax e funning un	reating, fi depth der th	requency of use, pl of 0.52 m u stream.	oto-documentation of evidence	of the X site		
Suri	Describe: (include numb Downstream pool there is a pipelin	er of individuals rec Warnax e funning un	reating, fi depth der th	requency of use, pl of 0.52 m u stream.	oto-documentation of evidence , Just downstream all uses. Attach photos of evidence	of the X site		
Guri	Describe: (include numb Downstream pool there is a prpetin rounding Condition s of interest.)	er of individuals rec W/a max e funning und	reating, findepth der the per	requency of use, ploof 0.52 m u stream, or impede recreation	oto-documentation of evidence , Just downstream all uses. Attach photos of evidence	e of recreational uses, co		
Sur	Describe: (include numb Downstream pool there is a prpetin rounding Condition s of interest.) City/county parks	er of individuals rec W/a max e funning und is*: (Mark all that p	reating, findepth der the per	of 0.52 m stream, or impede recreation C conservation landonal forests	oto-documentation of evidence Tust downstream all uses. Attach photos of evidence Urban areas	e of recreational uses, et of the X site		
Surre	Describe: (include numb Downstream pool there is a proelin rounding Condition s of interest.) City/county parks Boating accesses	er of individuals rec W/a max L funning und By: (Mark all that p Playgrounds State parks	reating, findepth der the oromote of MDX	of 0.52 m stream, or impede recreation C conservation landonal forests	oto-documentation of evidence Tust down stream all uses. Attach photos of evid Urban areas Nature trails	ence or unusual Campgrounds		
Surre	Describe: (include numb Down stream pool there is a propering rounding Condition s of interest.) City/county parks Boating accesses No trespass sign	er of individuals rec W/a max L funning und By: (Mark all that p Playgrounds State parks	reating, findepth der the der	of 0.52 m stream, or impede recreation C conservation landonal forests	oto-documentation of evidence Tust down stream all uses. Attach photos of evid Urban areas Nature trails	ence or unusual Campgrounds Stairs/walkway		
Surriterns	Describe: (include numb Down stream pool there is a pipelin rounding Condition s of interest.) City/county parks Boating accesses No trespass sign dence of Human Us	er of individuals rec W/a max L funning und By Playgrounds By State parks Fence	reating, findepth der the der	of 0.52 m of 0.52 m stylam, or impede recreation C conservation landonal forests p slopes	oto-documentation of evidence Tust down stream al uses. Attach photos of evid Urban areas Nature trails Other:	ence or unusual Campgrounds Stairs/walkway		

other items that may be of interest. (Include photographs)

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Data Sheet B - Site Characterization

2005 MAY 23 PH 2: 59

(A separate data sheet must be completed for each site) WATER PROTECTION PROGRAM

Missouri WBID #: 15	4		Site Location De	escription;	·
Site GPS Coordinates:	/38.82747 WO	93.55128	\ \ NE 500+h\ Rd	i overpass	
Date & Time: 4-21	-2005 10:50		Facility Name: (county Acres Homeowners/Ro	inlaw Acres Subdivisio
	LY		Permit Number:		<u> </u>
Current Weather Conditi	ions: Mostly Clark	68°	Weather Conditi	ons for Past 7 days:	· <u></u>
Photo Ids: Upstream:	757A c33 Dov	ristream:	758 A 634 Othe		
-	080		(2)	···	
Jses Observed*:	<u></u>			· · · · · · · · · · · · · · · · · · ·	
☐ Swimming	☐ Skin diving	0 :	SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking		Boating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping		ishing	None of the above	☐ Other:
On upstream on downstream	portion the	reating, tre	quency of use, photo- a pool w/a pool w/a	documentation of evidence Max depth of may depth of	of recreational uses, et of 0.90m. f 0.56m.
On Upstream of On downstream	portion the	re is a	a pool w/a	max depth o	of 0.90m. f 0.56m.
On Upstream of On downstream of On downstream	portion the	re is o	a pool w/a	max depth o	of 0.90m. f 0.56m.
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On UpStream On downstream On downstream Ourrounding Condition tems of interest.) City/county parks Boating accesses No trespass sign	portion then portion then portion then "Blaygrounds" "State parks" "Fence	promote or MDC Nation Steep	impede recreational u	may depth or may depth or ses. Attach photos of evidence Urban areas Nature trails	of 0.90m. f 0.56m. nce or unusual Campgrounds Stairs/walkway

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

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☐ Riffle V	Vidth (ft)	:	Length (ft);	Meles O.12 Avg. Depth		Max. Depth (ft):
N Run V	Vidth (K)	6.5m	Length (R):		62	FV
□ Pool V	Vidth (ft)		Length (ft):	Avg. Depth	<u> </u>	Max. Depth (ft):
"S Flow P	resent?	∑ Yes	□ No	3n Estimated (ft ^{3/sco)} : 3m	1475 = BB = 0.12 m
n .				-20- 20-4		95 09-365
	•		Dimensions:	171 174		. 0.38. 0.48. 0.48. 0
	Vidth (ft)		Length (ft):	Avg. Depth	<u> </u>	Max. Depth (ft):
	Vidth (ft)		Length (ft):	Avg. Depth	<u> </u>	Max. Depth (ft):
	Vidth (K)	<u>: 6.5m</u>	Length (ft):	20 M Avg. Depth		
T Flow I	resent?	\(\sum_Yes\)	□ No	3 m Estimated (7,1700	
hetrato*• M	These wal	ما الما الما الما الما الما الما	d up to 100%.)	36 - 14	145-08	s 08; - 575
	Cobble		Gravel (% Sand 25	% Silt 25	% Mud/Clay / % B
iter Charac	teristic	'×'''' / Miork ol				
odor:				☐ Chemical	None	□ Other:
		:87: (Mark al] Sewage ! Clear	☐ Musky ☐ Green	☐ Chemical	None ☐ Milky	Other: brouke
Odor:	È	J Sewage	☐ Musky		None ☐ Milky ☐ None	Nother: brown
Odor: Color: Bottom Depo	Sit: C	Sewage Clear Sludge Oil	☐ Musky ☐ Green ☐ Solids ☐ Scum	☐ Gray ☐ Fine sediments ☐ Foam	☐ Milky ☐ None	□ Other:
Color: Bottom Depo Surface Depo mments: Pl nis information aprehensive un ision on the rec	ease att is not to derstand creation to	Sewage Clear Sludge Oil Cach addition be used soleling of water course analysis been been affir accurate.	☐ Musky ☐ Green ☐ Solids ☐ Scum Inal comments Ity for removal of conditions. Consecut may point to comment to the best of the best of the conditions.	☐ Gray ☐ Fine sediments ☐ Foam ☐ including information a recreational use designmently, this information on ditions that need further than the conditions the conditions that need further than the conditions that need furt	☐ Milky ☐ None None None None Is None tion from intervious intervious but rather is on is not intended ther analysis or that that all inform	Other: brown Other: Other: iews) to this form. to provide a more to directly influence a t effect another use.

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Data Sheet B - Site Characterization

2005 MAY 23 PM 2: 59

(A separate data sheet must be completed for each site)

WATER PROTECTION PROGRAM

Missouri WBID#: 18	5		Site Location D	•	
Site GPS Coordinates:N		93 5458	TENSI O	verpass	
Date & Time: 4-20-2				Country Acres Homeowners,	Rambow Acres Subdivi
Personnel: CB, EA	LY		Permit Number:		
Current Weather Condit	ions: Party Claux	dy 75°	Weather Condit	ions for Past 7 days:	· ,
Photo Ids: Upstream: †	7514 027 DOW	vnstream: †	752 A 028 Othe	г:	
	C _S		CCAP		
es Observed*:					· · · · · · · · · · · · · · · · · · ·
	☐ Skin diving	□s	CUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	□в	oating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	\Box F	shing	None of the above	Other:
				documentation of evidence from They never	of recreational uses, er
Interviewed a any recreational	family who dec uses on the	clined to s streav	give informa	documentation of evidence	of recreational uses, et oh served
Interviewed a any recreational arrounding Condition	family who dec uses on the	clined to s Stream	give informa	documentation of evidence from They never	of recreational uses, et oh served
Interviewed a any recreational arrounding Conditions of interest.)	family who ded uses on the ns*: (Mark all that p	clined to s Stream	give informa n, mpede recreational a	documentation of evidence hom. They never	of recreational uses, et observed
Interviewed a any recreational arrounding Conditions of interest.) City/county parks	family who ded uses on the ns*: (Mark all that p	promote or i	give information. mpede recreational temperation lands	documentation of evidence how. They never uses. Attach photos of evidence urban areas	of recreational uses, e Ob Served nce or unusual
Interviewed a any recreational arrounding Conditions of interest.) City/county parks Boating accesses	ns*: (Mark all that p	promote or i	give information. mpede recreational temperation lands	documentation of evidence how They never uses. Attach photos of evidence Urban areas Nature trails	of recreational uses, en Oh Sexved
Interviewed a any recreational arrounding Conditions of interest.) City/county parks Boating accesses No trespass sign	ns*: (Mark all that p	promote or i	give information. mpede recreational temperation lands	documentation of evidence how They never uses. Attach photos of evidence Urban areas Nature trails	of recreational uses, et oh Sexved
Interviewed a any recreational arrounding Conditions of interest.) City/county parks Boating accesses No trespass sign	ns*: (Mark all that p Playgrounds State parks Fence	promote or i	mpede recreational unservation lands al forests lopes	documentation of evidence how They never uses. Attach photos of evidence Urban areas Nature trails	of recreational uses, et oh Sexved nce or unusual Campgrounds Stairs/walkway

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

^{*}Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

Page Two - Data Sheet B for WBID # 185 :

September 29, 2004

Stream Morph Upstream Vi		Dimensions: _{In Th}	EY 42005 . A-20 . O.08	^ ^^ ^	12 0 0 0 12	2
	idth (ft):	Length (ft):	ان بان کاری کاری کاری کاری کاری کاری کاری کاری	<u>, 0.02 , <i>0.</i></u> th (ft):	Max. Depth (ft):	<u> </u>
	idth (h): 40 _m	5 4	Avg. Dep	NEY .	XEY	
· · · · · · · · · · · · · · · · · · ·	idth (ft):	Length (ft):	Avg. Dep	· U.10	Max. Depth (ft):	
	esent? Ye		3 _M Estimated	- EY	1295 = 0.11 m	
	<u> </u>	····	53 - 32	\$9055-13	79-43	<u>/5 [</u>
Downstream	View Physic	al Dimensions: 1.	M.O.O. 0.02	4-20 0.09	0.05 n.0a	
Riffle W	idth (R): 1.87	n Length (K): 2	Avg. Dep	th (F): 0 038	Max. Depth (t):	0.09m
□ Run W	idth (ft):	Length (ft):	Avg. Dep	th (ft):	Max. Depth (ft):	₹4 4:30:42 }
□ Pool W	idth (ft):	Length (ft):	Avg. Dept		Max. Depth (ft):	<u></u>
L.Flow Pr	esent? \(\sum \) Ye	s 🗆 No	3 m Estimated			54 m/s
Substantata /T			~~ <i>0</i> 4- <i>,</i> 09	w 30-5	6m 32-38m	· 5
	obbie 8	d add up to 100%.) % Gravel 5	% Sand	% Silt	% Mud/Clay) % Bedrock
Algae	onintinate or					
Water Charact				-/ 22		
Color:	□ Sewage	☐ Musky	☐ Chemical	None	☐ Other:	
Bottom Depos	<u> </u>		☐ Gray	☐ Milky	Other:	
Surface Depos		☐ Solids ☐ Scum	Fine sediment		□ Other:	
	D OII	L Scum	☐ Foam	None None	☐ Other:	
*This information is comprehensive und decision on the record that as the undersign datasheet is true. Signed:	s not to be used sterstanding of wareation use analysted, hereby at the and accura	solely for removal of a ter conditions. Conse sis but may point to coffirm to the best of te.	precreational use designently, this informational inditions that need further formations that need further further formations that need further formations that need further fur	ignation but rathetion is not intender ther analysis or t , that all infor	erviews) to this form r is to provide a more ad to directly influence a hat effect another use, mation reported or	n this UAA
		$\subset \mathcal{J}$	144-2	U-AW)		

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2005 MAY 23 PM 2: 59

Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

WATER PROTECTION PROGRAM

Missouri WBID #: j9	86		Site Location D	escription:	
Site GPS Coordinates:		3. 5a146	NE 175+ 1	Overpass	
Date & Time: 4-20	2005 5:18 PM		Facility Name: (Country Acres Homeownu	ns/Rainbow Acres Subo
Personnel: CB, E	LY		Permit Number:		,, <u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>
Current Weather Condi	itions: Overcas	†	Weather Condit	ions for Past 7 days:	<u></u>
Photo Ids: Upstream:	1749-A 025 Dov	vnstream: 🍞	SOA OPL Othe	1 :	
Ol	Cur	<u>.</u>	W5		
ses Observed*:	T				·
□ Swimming	☐ Skin diving		UBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	□ Bo	ating	□ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fisi		None of the above documentation of evidence	☐ Other:
urrounding Condition	D ns*: (Mark all that	promote or im	pede recreational t	uses. Attach photos of evide	
urrounding Conditions of interest.)	. Dns*: (Mark all that	1	pede recreational t nservation lands	uses. Attach photos of evide.	
ems of interest.)		1	nservation lands	<u></u>	nce or unusual
City/county parks	☐ Playgrounds	☐ MDC co	nservation lands	Cl Urban areas	лсе or unusual □ Campgrounds
City/county parks Boating accesses	☐ Playgrounds ☐ State parks ☐ Fence	☐ MDC co	nservation lands	☐ Urban areas ☐ Nature trails	лсе or unusual □ Campgrounds
☐ City/county parks ☐ Boating accesses ☐ No trespass sign	☐ Playgrounds ☐ State parks ☐ Fence	☐ MDC co ☐ National ☐ Steep slo	nservation lands	☐ Urban areas ☐ Nature trails	nce or unusual □ Campgrounds □ Stairs/walkway
☐ City/county parks ☐ Boating accesses ☐ No trespass sign	☐ Playgrounds ☐ State parks ☐ Fence Jse*:	☐ MDC co ☐ National ☐ Steep sign	nservation lands forests	☐ Urban areas ☐ Nature trails ☐ Other:	лсе or unusual □ Campgrounds

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

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Page Two - Data Sheet B for WBID # 186:

□ Riffle	Width (fi):	Length (ft):	Avg. Depth	(ft):	Max. Depth (ft)	:
□ Run	Width (ft);	Length (ft):	Avg. Depth	(ft):	Max. Depth (ft)	
□ Pool	Width (t	3.9 m	Length (h):	Om Avg. Depth	1 D 134		
Ŋ Flow	Present?	☐ Yes	No No	Estimated (<u> </u>	M	0.16m
		<u>.</u>					<u>.</u> .
				m: 0.20, 0.11		08,006	
	Width (ft		Length (ft):	Avg. Depth	(ft):	Max. Depth (ft):	:
		(a.2m	Length (R):	Om Avg. Depth	0.108	Max. Depth (t):	_0,20 m
☐ Pool	Width (ft):	Length (ft):	Avg. Depth	(ft):	Max. Depth (ft):	
\ Flow	Present?	M Yes	□ No	3 m Estimated (, , , , , , , , , , ,		D.11m/s]
strate** /	Thees we		add up to 100%.)	03-3	50 37-0 286	98,	
5 %	Cobble		Gravel	% Sand	% Silt) % Mud/Clay 9	/) % Bedroo
J							
ter Chara	cteristi		all that apply		<u>.</u>		j.
ter Chara		ES*: (Mark :	all that apply.)		None	Cl Other:	j.
			all that apply.) Musky Green	□ Chemical	None ☐ Milky	□ Other:	3
Odor:	<u>)</u> r] Sewage	☐ Musky	☐ Gray	□ Milky	Other:	3
Odor: Color:	osit: [☐ Sewage ☐ Clear	☐ Musky				8





ang 23, 2005 Dear Madam/Sirs I have been following the discussions On the Stream Exemptions in Johnson Co. Mo. Lo far I am not suce funderstand all the pluses (+'s) for such a move but I do see many minuses (-'s). of am an amateur archaeologist (over 50 years) and enjoy walking the streams of Johnson Oo. I enjoy the fish minhows crayfish therthes, mussels, insects, frogs, smalles and all the other inhabitants of our clean streams as a student of Dr. OScar Hawksley Ceminitus professor at Central Mo. U.) of was taught about the issues of protecting and appreciating the balance of nature. I feel that leveryting streams from protection against sewage is a bad ideal. Several stroftms are abready unable to have anything live. One is the Small stream next to the Knob Noster sewage layon which runs into Clear Fork creek) I frequently walk both Post Oak and Walnut creeks often wading in above my waist and both of these flow into Blackwater which of also wade. There are at least twenty (20) others like me that also enjoy these streams and a clean environment.

(2)East Bear creek is now getting a lot of contamination from its close proximity to the Johnson Co. dump site. The ground water that is seeping into it from the Small ditch on the north side of the dump is very polluted with debris and contamination. I know it is hard to monitor the many streams of Johnson or any other county in Mo. but between concerned citizens, conserva-tion agents, good political representatives and diligent observation pollution could be reduced. Mot eliminated but maybe held in check! I hope that you will reconsider this current proposal and study the long term effects of would be glad to accompany dryone wishing to check on these concerns on our environment. Please don't write me off as just another nut. Nature is a big part of out needs and should be a priority for everyone. Our streams and their teleanliness is very, very important. Let's hope we react wisely. Respectfully yours, Warren 1. Christopher 210 Drover St. Warrensburg, Mo. (Johnson Co.) Phone - 660-429-1143



Johnson County Commission

William Brenner Presiding Commissioner

Scott Sader

Commissioner, Eastern District

Destry Hough

Commissioner, Western District

Gilbert Powers County Clerk

Johnson County Courthouse, 300 N Holden, Warrensburg, MO 64093

(660) 747-6161 Fax 747-9332 countyclerk@jococourthouse.com

www.jococourthouse.com

August 15, 2005

Marlene Kirchner Clean Water Commission P.O. Box 176 Jefferson City, MO 65102

Ms. Kirchner,

The Johnson County Commission is hereby opposed to the dumping of raw sewage in Pin Oak Creek, West Fork of Post Oak Creek and Walnut Creek all in Johnson County. All of the above mentioned streams are used for recreational purposes such as boating, wading, swimming and fishing and also flow into major water sources for the county.

Without protection from the pollution of raw sewage for all of our waterways we are putting our residents at risk for a host of viruses and parasites that can cause very serious illnesses. At this time we are requesting full water-quality protection be put in place for these streams. It is of vital importance that we protect our natural resources and strengthen rather than weaken the amount of protection for our environment.

We would like to thank you and the commission for your time and consideration in this matter.

Sincerely,

William Brenner, Presiding Commissioner

Scott Sader Eastern Commissioner

Destry Hough, Western Commissioner